

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	95	("7991092" "20070041456" "20080212727" "20080279314" "20080285638" "7388921" "20050036564" "7339882" "20040146003" "20080279313" "20090141697" "5732113" "5416767" "6035003" "5692016" "5726978" "5867478" "5963592" "5973642" "6098161" "6175550" "5357502" "5452015" "5682376" "5815488" "5920598" "6005840" "6148007" "6151296" "6172993" "6175551" "6226337" "6226337" "20050105593" "20080118012" "4884139" "5416801" "5452322" "5471464" "5483529" "5504775" "5506836" "5548582" "5559833" "5581578" "5673292" "5771224" "5784363" "5790516" "5802117" ).pn:	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 13:43
S1	5	"564866".ap.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/22 15:56
S3	7	((pilot or train\$4 or tone) with (amplitude) with (less) with (predeterm\$4 or preset) with (threshold) and (@ad<="20030718")	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 09:39
S4	108	(OFDM near cell)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 11:07
S5	0	(OFDM near cell) same (error near common )	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 11:07
S6	7	(OFDM near cell) same (error)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT;	OR	ON	2009/05/23 11:08

		IBM_TDB			
S7	0	((OFDM near cell) same (error) same (OFDM near symbol) and (@ad<="20030718")	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:08
S8	2	((OFDM near cell) same (error) same (OFDM near symbol)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:08
S9	273	((OFDM or orthogonal near frequency near division) near2 cell)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:10
S10	3	((OFDM or orthogonal near frequency near division) near2 cell) with (error or offset or mismatch) with (common or identical)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:11
S11	12	((OFDM or orthogonal near frequency near division) near2 cell) same (error or offset or mismatch) with (common or identical)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:11
S12	34	((OFDM or orthogonal near frequency near division) near2 cell) same (error or offset or mismatch)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:12
S13	15	((OFDM or orthogonal near frequency near division) near2 cell) with (error or offset or mismatch)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:12
S14	19	((OFDM or orthogonal near frequency near division) near2 (cell OR CLUSTER)) with (error or offset or mismatch)	US-PGPUB; USPAT; USCOR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2009/05/23 11:15
S15	0	(error or offset or mismatch or imbalance) same two near ofdm near cell	US-PGPUB; USPAT; USCOR; FFPRS;	OR	ON 2009/05/23 11:22

			EPO; JPO; DERWENT; IBM_TDB			
S16	7	(error or ofeset or mismatch or imbalance)same ofdm near cell	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 11:22
S17	2	EP-1542384-\$ did.	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/23 11:32
S18	15	((BRUNO) near2 (JAHAN)).INV.	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:01
S19	13	((PIERRICK) near2 (LOUIN)).INV.	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:02
S20	139	TDF as.	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:02
S21	7	S18 and S20	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:02
S22	9	S19 and S20	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:02
S23	0	(extract\$4) with (pilot or tone or train\$4) same (estimat\$4 with (channel or impulse)) same (averag\$4) same (final near estimat\$4) and (@ad<="20030718")	US_PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:04
S24	0	(extract\$4) with (pilot or tone or train\$4) same2 (estimat\$4 with (channel or	US_PGPUB; USPAT;	OR	OFF	2009/05/23 12:04

		(impulse)) same2 (averag\$4) same (final near estimat\$4) and (@ad<="20030718")	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S25	5	(extract\$4) with (pilot or tone or train\$4) same2 (estimat\$4 with (channel or impulse)) same2 (averag\$4) same2 (final near estimat\$4) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:05
S26	9	(extract\$4) with (pilot or tone or train\$4) same2 (estimat\$4 with (channel or impulse)) same2 (final near estimat\$4) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:05
S27	3520	375/260.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:06
S28	2491	375/340.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:06
S29	3	375/340.ccls. and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:07
S30	1	375/260.ccls. and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:07
S31	2	(extract\$4 or find\$4 or remov\$4 or get\$4) with (pilot or tone or train\$4) same (estimat\$4 with (channel or impulse)) same (averag\$4) same (final near estimat\$4) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:08
S32	11	((extract\$4 or find\$4 or remov\$4 or get\$4)) with (pilot or tone or train\$4) same2 (estimat\$4 with (channel or impulse)) same2 (final near estimat\$4) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:08

S33	47	(extract\$4 or find\$4 or remov\$4 or get\$4)) with (pilot or tone or train\$4) and (estimat\$4 with (channel or impulse)) and (final near estimat\$4) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:09
S34	3	S27 and S33	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:10
S35	4	S28 and S33	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/23 12:10
S36	639	(cross near correlation) same ((I or In\$phas\$4) with (Q or (quadra\$4 near phase)))	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/28 17:50
S37	1	"6,731,702".pn.	USPAT	OR	OFF	2009/06/01 12:53
S38	1	"6993087".pn.	USPAT	OR	OFF	2010/02/16 12:34
S39	2	"20030068003"	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/16 12:35
S40	343	(minimum near predetermined near (threshold or voltage)) same (compar\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/19 12:07
S41	7	(minimum near predetermined near (threshold or voltage)) with (reject\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/19 12:07
S42	3	(minimum near (predetermined or preset) near (threshold)) with (reject\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/19 12:08

S43	8	(minimum near2 (predetermined or preset) near2 (threshold)) with (reject\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/19 12:11
S44	2	EP-1320232-\$ did.	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:17
S45	3110	375/340.ccls.	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:22
S46	1880	(extract\$4 near2 tones)	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:22
S47	3520	(extract\$4 near2 pilot)	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:22
S48	71	S45 and S47	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:22
S49	22	S45 and S47 and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:24
S50	5372	375/260.ccls.	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:24
S51	341	(S45 or S50) and S47	US-PGPUB; USPAT; USOCR; FFPRS; EPO; JPO;	OR	ON	2010/11/19 13:24

			DERWENT; IBM_TDB			
S52	14	(S45 or S50) and S47 and (@ad<="20030718") and (phase with (amplitude or magnitude) with (correct\$4))	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/19 13:25
S54	2	"20040268190"	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/27 15:00
S56	617	(pilot or training) and (fine) with (coarse) with (estimat\$4)	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 17:08
S57	205	(pilot or training) and (fine) with (coarse) with (estimat\$4) and (@ad<="20030718")	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 17:08
S59	48	(pilot or training) same (fine) with (coarse) with (estimat\$4) and (@ad<="20030718")	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 17:08
S60	3	(pilot or training) with (extract\$4) same (fine) with (coarse) with (estimat\$4) and (@ad<="20030718")	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 17:09
S61	2	EP-762703-\$ did.	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/04 21:25
S62	2	"5838734".pn.	US_PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/04 21:35
S63	4	"4021738".pn.	US_PGPUB; USPAT; USOCR;	OR	ON	2011/05/04 22:02

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S64	3	"20040001426"	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 22:16
S65	2	"20030174608".pn.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 23:22
S66	2	"20030174608"	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 23:22
S67	2	"20080063041"	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/04 23:23
S68	2	"7551677".pn.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/06 15:02
S69	3	"20030026371"	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/06 15:06
S70	2	"7068593".pn.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/06 15:07
S71	6	"564866".ap.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/06 15:09
S72	50	(pilot near2 correction) same ((carrier or	US-PGPUB;	OR	ON	2011/07/15

		(data) near2 correction)	USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB			12:17
S73	27	(pilot near2 correction) same ((carrier or data) near2 correction) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:17
S74	0	(pilot near2 correction) same ((carrier or data) near2 correction) same (separat\$4 or independent\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:18
S75	0	(pilot near2 correction) same ((carrier or data) near2 correction) same (separat\$4 or independent\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:18
S76	1	(pilot near2 correction) same ((carrier or data) near2 correction) same (separat\$4 or independent\$4 or different\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:18
S77	48	((pilot or (training)) near2 correction) same ((carrier or data) near2 correction) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:20
S78	63	((pilot or (training)) adj2 correct\$4) same ((carrier or data) adj2 correct\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:21
S79	26	((pilot) adj2 correct\$4) same ((carrier or data) adj2 correct\$4) and (@ad<="20040716")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/15 12:21
S80	70	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<="20030718")	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT;	OR	ON	2011/09/06 12:32

			IBM_TDB			
S81	15	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<= "20000718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:32
S82	15	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<= "20000718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S83	15	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<= "20000718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S84	70	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<= "20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S85	0	(multi near2 carrier) same (extract\$4 near2 pilot) same (interpolat\$5) same (correct\$4) same (estimat\$4) same (phase) same (amplitude or threshold) and (@ad<= "20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S86	0	(multi near2 carrier) same (extract\$4 near2 pilot) same (interpolat\$5) same (estimat\$4) same (phase) same (amplitude or threshold) and (@ad<= "20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S87	25	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) same (phase) same (amplitude or threshold) and (@ad<= "20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S88	70	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold) and (@ad<= "20030718")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/06 12:33
S89	29	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold).clm.	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2011/09/06 12:34

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S90	6203	375/260.ccls.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:18
S91	6	((BRUNO) near2 (JAHAN)).INV.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:19
S92	7	((PIERRICK) near2 (LOUIN)).INV.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:19
S93	1	S90 and (S91 or S92)	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:19
S94	576	(extract\$4 near2 pilot).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S95	1	S94 and S90 and (S91 or S92)	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S96	1	S94 and (S91 or S92)	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S97	2	(pilot or training) with (extract\$4) same (fine) with (coarse) with (estimat\$4).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S98	9	((pilot) adj2 correct\$4) same ((carrier or data) adj2 correct\$4).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S99	2	(pilot or training) with (extract\$4) same (fine) with (coarse) with (estimat\$4).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:20
S100	7	(pilot near2 correction) same ((carrier or data) near2 correction).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:21
S101	2	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) same (phase) same (amplitude or threshold).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:34
S102	29	(multi near2 carrier or multicarrier) and (pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or	US- PGPUB; USPAT;	OR	ON	2011/09/06 12:34

		threshold).clm.	UPAD			
S103	7	(multi near2 carrier or multicarrier) and (extract\$4 near2 pilot) same (interpolat\$5) same (estimat\$4) and (phase) same (amplitude or threshold).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:34
S104	1	(multi near2 carrier or multicarrier) and (extract\$4 near2 pilot) same (interpolat\$5) same (estimat\$4) same (phase) same (amplitude or threshold).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:34
S105	1	(multi near2 carrier or multicarrier) and (extract\$4 near2 (pilot or training)) same (interpolat\$5) same (estimat\$4) same (phase) same (amplitude or threshold).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/09/06 12:36

9/6/2011 1:45:32 PM

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